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Doctoral regulations

for the Doctorate in economics and business administration at the Faculty of Economics, Business Administration and Information Technology of the University of Zurich

Version 1.3 of 5 November 2012

These Doctoral regulations are based on the ordinance for obtaining a Doctoral degree (PO¹) in economics and business administration at the Faculty of Economics, Business Administration and Information Technology of the University of Zurich of 15 December 2008. All references to paragraphs of the PO refer to this document.

¹ Ordinance for obtaining a Doctoral degree (EN) = Promotionsverordnung (DE), abbr. PO

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1 Purpose of the Doctoral regulations

The Doctoral regulations govern the execution provisions for the Doctoral degree in the individual specializations, the modalities of the examinations and the dissertation, and the awarding of credits.

2 Specializations

2.1 Overview

When registering for a Doctoral degree, candidates choose one of the following programs:

- Economics
- Business administration
- Banking and finance
- Management and economics

In specializations which offer programs in different tracks in accordance with § 2 PO, they also choose one of the following tracks:

- Track A: Doctoral programs with Doctoral seminars
- Track B: Structured Doctoral programs
- Track C: Structured fast-track Doctoral programs

It is possible to petition the Doctoral Committee to switch to another program or to another track during Doctoral studies if cogent reasons can be demonstrated. Switching is ruled out if a candidate has been irrevocably rejected (§ 41 PO) or the admission criteria for a program have not been fulfilled.

In all programs, the majority of credits must be earned from the faculty. A dissertation is also required (§ 2 PO).

The dissertation must cover a subject relevant to the selected program.

All petitions must be submitted to the Dean's Office before starting the Doctoral program.

Appendix A1 provides an overview of the admission and structure of the Doctoral program.

2.2 Track A: Doctoral programs with Doctoral seminars

2.2.1 General provisions

Doctoral programs in track A comprise:

- preparation of a dissertation

- successful participation in at least six Doctoral seminars (§ 12 PO) totaling at least 18 credits. Of these Doctoral seminars, four must be completed at the Faculty of Economics, Business Administration and Information Technology of the University of Zurich. A maximum of three courses may be completed with the supervisor.

A Doctoral seminar carries at least 3 credits.

Doctoral courses may be credited as equivalent to Doctoral seminars.

2.2.2 Internal and external Doctoral seminars

Courses from leading international Doctoral programs may be recognized as internal courses. They are specified in a list that is determined by the Doctoral Committee.

The responsible examination delegate for the corresponding specialization decides upon written petition whether further external Doctoral courses will be transferred.

2.3 Track B: Structured Doctoral programs

In addition to a dissertation, structured Doctoral programs include successful participation in the compulsory and core elective modules at the Doctoral level. The compulsory modules at the Doctoral level include an independent research proposal.

Compulsory modules (Doctoral courses)	Economics	Business administration	Banking and finance	Management and economics
Compulsory modules	27 credits	18 credits	24 credits	18 credits
Research proposal	15 credits	15 credits	15 credits	15 credits
Total	42 credits	33 credits	39 credits	33 credits

Core elective modules	Economics	Business administration	Banking and finance	Management and economics
Doctoral seminars or advanced Doctoral courses	12 credits	18 credits	12 credits	18 credits
Total	12 credits	18 credits	12 credits	18 credits

After the successful completion of the compulsory modules, a professor – suggested by the candidate and agreed upon by the responsible examination delegate – must agree to act as the dissertation supervisor (see § 9 PO).

The Doctoral program cannot be continued unless the compulsory modules are completed successfully and a professor agrees to act as the dissertation supervisor.

The regulations set forth in Section 2.2.2 apply with respect to internal and external modules.

A maximum of 3 total credits may be earned as part of teaching obligations. The examination delegate credits teaching obligations as transferable skills to the core elective modules of the Doctoral level upon written petition. If completed successfully, they are evaluated as "passed."

The compulsory modules must be completed by the deadline set out in Appendix A1.3. In justified cases, this deadline may be extended by the Doctoral Committee.

2.4 Track C: Structured fast-track Doctoral programs

In addition to a dissertation, structured fast-track Doctoral programs comprise the successful completion of courses at both the Master's and Doctoral levels.

2.4.1 Courses at the Master's level

The courses at the Master's level consist of compulsory and core elective modules.

Master's modules	Economics	Business administration	Banking and finance	Management and economics
Compulsory modules	30 credits	12 credits	33 credits	42 credits
Core elective modules	30 credits	48 credits	27 credits	18 credits
Total	60 credits	60 credits	60 credits	60 credits

Failed attempts are possible. Students who exceed the maximum number of failed attempts specified in Section 4.7 will be irrevocably expelled from the Doctoral program (§§ 27 and 41 PO).

For a specialization in economics, at least 21 credits must be earned from the Economics core elective areas 1-3. The remaining credits may be freely chosen from the Economics core elective areas 1-3, the Business Administration core elective areas 1-6, the Banking and Finance core elective area, or the Management and Economics core elective area.

For a specialization in business administration, at least 30 credits must be earned from the Business Administration core elective areas 1-6. The remaining credits may be freely chosen from the Economics core elective areas 1-3, the Business Administration core elective areas 1-6, the Banking and Finance core elective area, or the Management and Economics core elective area.

For a specialization in banking and finance, at least 18 credits must be earned from the Banking and Finance core elective area. The remaining credits may be freely chosen from the Economics core elective areas 1-3, the Business Administration core elective areas 1-6, the Banking and Finance core elective area, or the Management and Economics core elective area.

For a specialization in management and economics, the core elective modules may be freely chosen from the Economics core elective areas 1-3, the Business Administration core elective areas 1-6, the Banking and Finance core elective area, or the Management and Economics core elective area.

2.4.2 Courses of the Doctoral level

The Doctoral level consists of compulsory and core elective modules as well as an independent research proposal.

Compulsory modules at the Doctoral level (Doctoral courses)	Economics	Business administration	Banking and finance	Management and economics
Compulsory modules	27 credits	18 credits	24 credits	18 credits
Research proposal (Master's thesis)	30 credits	30 credits	30 credits	30 credits
Total	57 credits	48 credits	54 credits	48 credits

Students who have successfully completed the research proposal and the Master's modules in accordance with Section 2.4.1 have fulfilled the conditions for the Master's degree in accordance with § 16 PO.

Core elective modules at the Doctoral level	Economics	Business administration	Banking and finance	Management and economics
Doctoral seminars or advanced Doctoral courses	12 credits	18 credits	12 credits	18 credits
Total	12 credits	18 credits	12 credits	18 credits

After the successful completion of the compulsory modules, a professor – suggested by the candidate and agreed upon by the responsible examination delegate – must agree to act as the dissertation supervisor (see § 9 PO).

The Doctoral program cannot be continued unless the compulsory modules are completed successfully and a professor agrees to act as the dissertation supervisor.

The regulations set forth in Section 2.2.2 apply with respect to internal and external modules.

A maximum of 3 total credits may be earned as part of teaching obligations. The examination delegate credits teaching obligations as transferable skills to the core elective modules of the Doctoral level upon written petition. If completed successfully, they are evaluated as "passed."

The compulsory modules must be completed by the deadline set out in the Appendix. In justified cases, this deadline may be extended by the Doctoral Committee.

3 Modules and credits in the Doctoral program

3.1 Overview

The credit system under § 19 PO, which adheres to the European Credit Transfer System (ECTS), serves to record and accumulate credits for coursework completed in the Doctoral program at the University of Zurich as well as to transfer credits in the context of national and international mobility for Doctoral students.

3.2 Modules and courses

With respect to the *degree of requirement*, the specializations distinguish between:

- compulsory modules, which are mandatory for all Doctoral students in the Doctoral program and
- core elective modules, which are to be chosen from a list set by the examination delegates for the respective programs

3.3 Assessments and credits

Assessments have a direct temporal relationship with the corresponding course (in other words, they normally take place during the same semester or at least before the beginning of the courses of the following semester).

Doctoral students can only earn credits for a module if they fulfill the requirements specified in the module description (cf. Section 3.4) and are registered prior to the deadline (cf. Section 4.1). The responsible lecturer may require corresponding documentation.

Only credits that have been earned in the past five years can be credited towards the degree of a Master of Science under §§ 16-17 PO. The reference dates are, on the one hand, the day of registration for graduation and, on the other hand, the last day of the semester in which a credit was earned.

3.4 Information on modules offered

For each module offered, the following information is generally published at the end of the prior semester:

- Title of the module
- Format of the module
- Number of credits to be earned
- Information on time and location as required
- Responsible lecturer
- Detailed information on the content (learning objectives) and relevant course reading
- Prerequisites for attending the module
- Registration and drop modalities
- Requirements for the assessment (what coursework is required to earn the credits for the module), including all information on examination dates, etc.
- Information on crediting the course as a compulsory course or core elective

4 Examination regulations

4.1 Registration and cancelation

Doctoral students must register in the electronic system for each module for which they want to earn credits (see § 25 PO). The examination delegate decides on exceptions in cases of hardship on written petition.

Doctoral students may only register for a module if they meet the requirements specified for the respective module. In justified individual cases, the examination delegate may authorize exceptions.

It is only possible to withdraw from a module without stating reasons until the date specified for the respective module.

Late registrations and cancelations cannot be accepted. In cases of hardship, the examination delegate decides on exceptions.

If a candidate is prevented from attending an examination or if an ongoing examination is canceled, the regulations under § 29 PO apply.

Any Doctoral student having been irrevocably expelled from the Faculty of Economics, Business Administration and Information Technology or from another institute of higher education in a similar Doctoral program for failing examinations or not observing examination regulations will no longer be admitted to any examination (§ 41 PO).

4.2 Grading

The grades listed under § 21 PO have the following meanings:

6	= excellent
5.5	= very good
5	= good
4.5	= satisfactory
4	= sufficient

4.3 Resources, use of unauthorized aids, obtaining admission by fraud

The resources allowed during assessments are listed for each module in a suitable form.

4.4 Recognition and transfer of external credits

The provisions according to § 23 PO apply.

Petitions must be submitted in writing and with the corresponding transcripts of records to the examination delegate.

When transferring from a different degree program or from a different university to this program, it is recommended that the student contact the examination delegate as soon as possible.

Coursework completed at another institute of higher education or in another degree program may be transferred towards the Doctoral degree if the coursework was completed at the Doctoral level.

Dissertations completed or submitted at other institutions cannot be recognized or transferred.

Credits for such coursework are recognized and transferred by the examination delegate upon petition of the Doctoral student. Particular attention is given here that modules with similar course content are not credited more than once. The burden of proof lies with the Doctoral student.

The above regulations also apply to Doctoral students who want to transfer to this program from another university, another faculty or another degree program.

4.5 Failed attempts, repetitions and exclusion from the Doctoral program

If a Doctoral student has more than the permitted number of failed attempts indicated below or fails his or her dissertation even after repeating it, he or she will be irrevocably expelled from further participation in the Doctoral program (§ 41 PO). The following regulations apply:

Failed attempts and repetitions	Economics	Business administration	Banking and finance	Management and economics
Track C (Master's level)	6	6	6	6
Compulsory and core elective modules at the Doctoral level	1 for each module	1 for each module	1 for each module	1 for each module
Research proposal	1	1	1	1
Dissertation (§§ 34, 35)	1	1	1	1
Defense (§ 39 PO)	1	1	1	1

5 Admission

5.1 General provisions

Admission is regulated in §§ 8 - 11 and 15 PO.

5.2 Application and admission procedure

Application for admission to the Doctoral program can be made at any time. The documents must be submitted to the responsible examination delegate.

Matriculation must also be requested through the Student Administration Office of the University of Zurich. Deadlines and formalities are published in a suitable form.

A processing fee of between CHF 200.00 and CHF 300.00 is levied for each application. Candidates who are admitted and who start the Doctoral program may request a cash refund of the processing fee from the Dean's Office in the first semester of their Doctoral studies. Subsequent claims for refunds are not possible.

The examination delegate may request proof of sufficient language skills in accordance with § 30 PO or define additional requirements and conditions in accordance with § 10 PO.

The result of the process is communicated to the candidates in writing. Objections must be submitted in writing to the Dean's Office within 30 days. The decision of the Dean's Office may be appealed to the Appeals Committee of the Cantonal Institutes of Higher Learning in Zurich.²

5.3 Documents

The university publishes in a suitable form what documents must be included with the application.

If documents are missing, the university may levy an additional processing fee of between CHF 50.00 and CHF 100.00 and defer or reject the application.

5.4 Admission with additional requirements or conditions

If the admission is granted subject to additional requirements or if conditions must be met before admission, they are communicated with the admission decision. It specifies the additional required coursework and the deadlines, and determines the permissible number of failed attempts.

The modules to be completed as part of additional requirements (= earning of additional qualifications) must be successfully completed within six consecutive semesters after admission is granted and before starting the research proposal. The reference date is the admission with additional requirements. In justified cases, the examination delegate may extend the deadline for the fulfillment of additional requirements or conditions. Documentation must be provided when registering for graduation. The credits earned in this process cannot be credited towards the Doctoral degree.

The modules to be completed as part of the conditions (= earning of additional qualifications) must be successfully completed within six consecutive semesters before admission to the Doctoral program. The reference date is the decision on the conditions. In justified cases, the examination delegate may extend the deadline for the fulfillment of additional requirements or conditions. Documentation must be provided when registering for the Doctoral program. The credits earned in this process cannot be credited towards the Doctoral degree.

² Be aware that the legal documents have to be in German.

6 Conferral of the Master of Science degree

6.1 Registration

When a candidate has completed the coursework required for the structured fast-track Doctoral program in accordance with § 17 PO, he or she registers for graduation with the Dean's Office.

Only credits that have been earned within the five years prior to registration for the final degree can be credited toward the degree. The reference dates are, on the one hand, the day of registration for graduation and, on the other hand, the last day of the semester in which a credit was earned.

In justified cases, the examination delegate may authorize credits earned at an earlier time to be credited towards the degree.

6.2 Graduation

The Master's program has been successfully completed when, in compliance with the conditions set out in these Doctoral regulations, a total of at least 90 credits have been earned.

Furthermore, the provisions according to §§ 16 - 17 PO apply.

7 Supervisor and co-supervisor

Members of the faculty who are authorized to vote may act as supervisors (§ 32 PO). These include:

- Full and associate professors
- Professors ad personam
- Assistant professors

Professors emeriti of the Faculty of Economics, Business Administration and Information Technology may act as supervisors for Doctoral students if the dissertations are defended no later than three years after the professor's retirement. The reference date is the date of retirement.

Professors of the METC (Department of Management, Technology and Economics) and GESS (Department of Humanities, Social and Political Sciences) departments of the ETH Zurich may be awarded the right to confer a Doctoral degree at the Faculty of Economics, Business Administration and Information Technology of the University of Zurich on request.

Persons with appropriate qualifications may be appointed as co-supervisors by the Doctoral Committee (§ 33 PO) if they are:

- full or associate professors at other faculties or other universities
- Privatdozierende (lecturers) or adjunct professors at the University of Zurich

Co-supervisors are, as a rule, appointed at the same time as the supervisors, but no later than after submission of the dissertation (§ 33 PO).

Regular meetings on the progress of the Doctoral program are held as part of the supervision role.

8 Dissertation

8.1 Format and content

The subject of the dissertation must be selected be from the specializations stated under Section 2.1 and meet the conditions specified in § 34 PO.

Whether the dissertation is submitted as a monograph or cumulative dissertation is determined in coordination by the candidate and the dissertation supervisor.

8.1.1 Monograph

A monograph is a text written by the candidate independently.

Results that the candidate has already published may be part of the dissertation's academic contribution if the prior publication has not already been used to obtain an academic degree.

8.1.2 Cumulative dissertation

The candidate draws up a background document that summarizes the results and contributions of the individual papers. The papers, which are part of the dissertation, must be attached in an appendix.

With the exception of the background document, papers with co-authors may also be used.

8.2 Academic contribution, co-authors

The candidate must submit a signed written declaration that he or she drafted the dissertation independently as a monograph, or for cumulative dissertations, wrote the background document independently and used no uncited sources or aids.

If the academic contribution of a dissertation depends on work with co-authors, a declaration signed by the candidate regarding his or her contribution to this work is to be submitted for each work and must be countersigned by the co-author.

The supervisor and co-supervisor may be co-authors of papers used for the dissertation only insofar as can be ensured that at least one person is not a co-author of any of these papers.

9 Graduation

9.1 Registration

The Doctoral student must register in person at the Dean's Office to defend his or her dissertation. The following documents must be submitted:

- a) The completed registration form
- b) Proof of matriculation as a Doctoral student at the University of Zurich
- c) Proof of admission into the Doctoral program in accordance with §§ 8 - 9 and 18 PO
- d) Proof of ECTS credits acquired in the Doctoral program in accordance with § 24 PO
- e) The dissertation
- f) Proof of additional requirements and conditions completed, if applicable (in accordance with § 10 PO)
- g) A written declaration that the dissertation was completed independently and has not yet been submitted anywhere else
- h) Curriculum vitae

The candidate must be continuously enrolled from the start of the Doctoral program until the end of the degree-conferral process.

9.2 Defense

Every Doctorate is completed with the dissertation defense.

If the dissertation has been accepted in accordance with the conditions under § 35 PO, the candidate will be admitted for its defense.

The supervisor and co-supervisor attend the defense (§ 39 PO), determine the grade for the defense in the absence of the candidate, and subsequently inform the candidate of the result. Professors from the faculty attending the defense have an advisory role in determining the grade.

The expert opinions on the dissertation and the result of the defense must be submitted to the Dean's Office no later than 20 business days before the degree conferral date. The defense must therefore be scheduled sufficiently early.

10 Publication

10.1 General provisions

The deposit copies must bear a title page approved by the Dean's Office and include a note that the Chairman of the Doctoral Committee has approved publication in this form. The date of the printing approval must be entered on the title page in accordance with Section 10.2 (month and year only). A brief CV must be included on the last page.

If the dissertation consists of a collection of papers, the background document must, in accordance with Section 8.1.2, be published according to the following provisions. The papers belonging to the dissertation must be added as an appendix to the background document, unless third-party copyrights preclude this.

10.2 Approval of publication

Before printing, the candidate must submit the final versions of the title page, the first inside page and the CV to the Dean's Office to verify compliance with the form requirements.

After printing is approved, only the correction of errors in form is permissible; no modifications may be made to the content. In these cases, the Dean's Office must be informed of the planned changes.

10.3 Publication formats

The following publication formats are permitted for the dissertation:

- Publication (of the monograph) in the book trade or in the central library
- Publication as printed brochures (for cumulative dissertations in accordance with Section 8.1.2) in the central library
- Publication (of the monograph or the cumulative dissertation) on the Internet

The Doctoral Committee may approve the printing of only part or an excerpt of the dissertation as well as the use of other appropriate reproduction methods on written petition.

10.3.1 Publication as printed brochures

If the candidate publishes a cumulative dissertation, he or she must submit a bibliographic citation of the individual papers.

The relevant provisions of the central library must be observed when printing.

10.3.2 Publication in book trade

If the candidate publishes the dissertation in the book trade, he or she must

- a) submit to the Dean's Office a contract signed by the candidate and a publishing house, *and*
- b) designate the publication by separate reference as a reprint of the dissertation approved by the Faculty of Economics, Business Administration and Information Technology.

10.3.3 Publication on the Internet

If the candidate publishes the dissertation on the Internet, he or she is required to observe the relevant provisions of the central library.

The candidate must assign the rights required for publication to the central library at no charge.

10.4 Deposit copies and Doctoral diploma

The number of deposit copies to be delivered to the central library is determined by the publication format and includes, unless specified otherwise by the central library,

- when published via the central library (monograph): 140 copies
- when published as a brochure (cumulative dissertation): 140 copies
- when published in the book trade or on the Internet: 6 copies

The relevant provisions of the central library must be observed.

As soon as the deposit copies have been received, the Doctoral diploma is prepared and sent, as a rule, to the candidate within four to six weeks.

11 Transitional regulations

Under § 53 PO, a Doctorate under the terms of PPO 2001³ has to be completed by 30 April 2010.

The reference date for completion of the degree is the degree conferral date. All Doctoral students studying under PPO 2001 who do not complete their exams by 30 April 2010 will automatically be switched to a Doctoral program with Doctoral seminars (Track A). Doctoral seminars attended prior to that time are, as a rule, equivalent to the Doctoral program under the present Doctoral regulations. In cases of doubt, the Chairman of the Doctoral Committee decides on the equivalence.

³ Examination Regulations and Ordinance for Obtaining a Doctoral Degree for the Licentiate Degree Program and the Doctorate in Economics at the Faculty of Economics, Business Administration and Information Technology of the University of Zurich of 26 February 2001 (EN) = Prüfungs- und Promotionsordnung für das Lizentiatsstudium und das Doktorat in Ökonomie an der Wirtschaftswissenschaftlichen Fakultät der Universität Zürich vom 26. Februar 2001 (DE), abbr. PPO 2001

A1 Overview of Doctoral programs

A1.1 Admission

<i>Track A</i>				<i>Track B (structured)</i>				<i>Track C (fast track)</i>			
<i>Econ</i>	<i>BA</i>	<i>B&F</i>	<i>M&E</i>	<i>Econ</i>	<i>BA</i>	<i>B&F</i>	<i>M&E</i>	<i>Econ</i>	<i>BA</i>	<i>B&F</i>	<i>M&E</i>
								outstanding performance (Bachelor's 3 years)			
								2 references from professors			
distinction of summa or magna cum laude (Master's 120 credits) or best 15% of birth cohort											
necessary academic requirements											
						compulsory modules at Doctoral level passed					
supervisor's consent											

A1.2 Structure

	Track A				Track B (structured)				Track C (fast track)			
	Econ	BA	B&F	M&E	Econ	BA	B&F	M&E	Econ	BA	B&F	M&E
Doctoral program												
<i>Master's level</i>												
Compulsory modules									30	12	33	42
Core elective modules									30	48	27	18
Total credits, Master's level									60	60	60	60
Failed attempts									6	6	6	6
<i>Doctoral level (Doctoral courses)</i>												
Compulsory modules					27	18	24	18	27	18	24	18
Research proposal					15	15	15	15	30	30	30	30
Intermediate degree, Master's level												
Total									90	90	90	90
Core elective areas (Doctoral seminars; advanced Doctoral courses)	18	18	18	18	12	18	12	18	12	18	12	18
Doctoral program total	18	18	18	18	54	51	51	51	129	126	126	126
Dissertation	x	x	x	x	x	x	x	x	x	x	x	x
Defense												
Presentation on the subject of the dissertation	x	x	x	x	x	x	x	x	x	x	x	x
Discussion on the subject of the dissertation	x	x	x	x	x	x	x	x	x	x	x	x
Discussion on the subject area of a Doctoral seminar	x	x	x	x								

A1.3 Compulsory modules at the Doctoral level for structured programs

Doctoral program	Track B (structured)				Track C (fast track)			
	Econ	BA	B&F	M&E	Econ	BA	B&F	M&E
<i>Compulsory modules, Doctoral level (Doctoral courses)</i>								
Macroeconomics for Research Students Part I	4.5				4.5			
Macroeconomics for Research Students Part II	4.5				4.5			
Microeconomics for Research Students Part I	4.5			4.5	4.5			4.5
Microeconomics for Research Students Part II	4.5			4.5	4.5			4.5
Econometrics for Research Students Part I	4.5			4.5	4.5			4.5
Econometrics for Research Students Part II	4.5			4.5	4.5			4.5
Business Administration for Research Students: Theory, Part I		4.5				4.5		
Business Administration for Research Students: Theory, Part II		4.5				4.5		
Business Administration for Research Students: Empirical Methods, Part I		4.5				4.5		
Business Administration for Research Students: Empirical Methods, Part II		4.5				4.5		
Mathematical Finance			6				6	
Financial Economics			6				6	
Financial Econometrics			6				6	
Corporate Finance			6				6	
Research proposal	15	15	15	15	30	30	30	30
Total compulsory modules	42	33	39	33	57	48	54	48
No. of semesters to complete compulsory modules	4	4	4	4	4	4	4	4

A1.4 Modules at the Master's level for Track C

The compulsory and core elective modules at the Master's level are regulated in the program regulations for the Master of Arts (MA) in economics and business administration at the Faculty of Economics, Business Administration and Information Technology of the University of Zurich. In cases of doubt, the wording of these program regulations applies. For the sake of completeness, the compulsory and core elective modules at the Master's level are listed below.

A1.4.1 Compulsory program at the Master's level

	<i>Track C (fast track)</i>			
	<i>Econ</i>	<i>BA</i>	<i>B&F</i>	<i>M&E</i>
Doctoral program				
<i>Master's level (compulsory modules)</i>				
Empirical Methods	6	6	6	6
Advanced Microeconomics 1	6		6 or	6
Advanced Microeconomics 2	6		6	
International Macroeconomics	6		6 or	
Advanced Macroeconomics	6		6	
Advanced Microeconomics for Business Administration		6		
Advanced Corporate Finance I			3	3
Advanced Financial Economics			3	
Advanced Banking			6	
Quantitative Finance			3	
ME 1: Personnel Economics				6
ME 2: Microeconomic Theory of the Firm				6
ME 3: The Economics of Innovation				6
ME 4: Organizational Economics				6
Accounting & Economics				3
Total compulsory modules	30	12	33	42

A1.4.2 Core elective program at the Master's level

Economics core elective area 1: Macroeconomics and economic policy

Finance

Political Economics

State Regulation

Growth

International Economics

Monetary Policy

Distribution

Economics core elective area 2: Microeconomics and management

Industrial Economics

Empirical Labor Market Research

Personnel and Organizational Economics

Information Economics

Insurance Economics

Behavioral Foundations of Economic Behavior

Methods for fMRI Data Analysis in Neuroeconomics

Economics core elective area 3: Empirical economic research and econometrics

Time Series Analysis

Analysis of Microdata

Quantitative Economic History

Experimental Economic Research

Business Administration core elective area 1

Accounting

Controlling

Auditing

Business Administration core elective area 2

Financial Management

Investment Management

Business Administration core elective area 3

Human Resource Management

Organization

Performance Management

Business Administration core elective area 4

Marketing

Services and Operations Management

Business Administration core elective area 5

Business Management

Theory of the Firm

International Management

Neuroeconomics and Social Neuroscience

Business Administration core elective area 6

Quantitative Methods of Business Administration

Methods and Philosophy of Science

Methods for fMRI Data Analysis in Neuroeconomics

Banking and Finance core elective area

Corporate Finance

Financial Economics

Quantitative Finance

Banking

Management and Economics core elective area: Empiricism

Time Series Analysis

Analysis of Microdata

Quantitative Economic History

Experimental Economic Research

Behavioral Foundations of Economic Behavior

Methods for fMRI Data Analysis in Neuroeconomics

Management and Economics core elective area: Seminars

Management and Economics Research Project Seminar

Management and Economics Seminar

Behavioral Foundations of Economic Behavior
